



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We make Indiana a cleaner, healthier place to live.*

Frank O'Bannon  
Governor

Lori F. Kaplan  
Commissioner

May 29, 2003

100 North Senate Avenue  
P. O. Box 6015  
Indianapolis, Indiana 46206-6015  
(317) 232-8603  
(800) 451-6027  
www.IN.gov/idem

TO: Interested Parties / Applicant

RE: Central Paving, Inc.

T 017-15214-03118

FROM: Paul Dubenetzky  
Chief, Permits Branch  
Office of Air Quality

## Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-6-1(b) require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, ISTA Building, 150 W. Market Street, Suite 618, Indianapolis, Indiana 46204, **within thirty (30) days from the date of this notice**. The filing for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) the date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision or other order for which you seek review by permit number, the name of the applicant, location, the date of this notice, and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for consideration at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

(over)

FNTVOP.wpd 8/21/02

Pursuant to 326 IAC 2-7-18(d), any person may petition the U.S. EPA to object to the issuance of a Title V operating permit or modification within sixty (60) days of the end of the forty-five (45) day EPA review period. Such an objection must be based only on issues that were raised with reasonable specificity during the public comment period, unless the petitioner demonstrates that it was impracticable to raise such issues, or if the grounds for such objection arose after the comment period.

To petition the U.S. EPA to object to the issuance of a Title V operating permit, contact:

U.S. Environmental Protection Agency  
Administrator, Christine Todd Whitman  
401 M Street  
Washington, D.C. 20406

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosure

FNTVOP.wpd 8/21/02



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## **PART 70 OPERATING PERMIT OFFICE OF AIR QUALITY**

**Central Paving, Inc.  
2403 South County Road 150 East  
Logansport, Indiana 46947**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T017-15214-03118	
Issued by: Original signed by Janet McCabe Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: May 29, 2003  Expiration Date: May 29, 2008

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## SECTION A

## SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

### A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)] [326 IAC 2-7-1(22)]

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The Permittee owns and operates a stationary batch-mix hot asphalt plant.

Responsible Official:	Robert J. Brandstatter, President
Source Address:	2403 South County Road 150 East, Logansport, Indiana 46947
Mailing Address:	P.O. Box 357, Logansport, Indiana 46947
General Source Phone Number:	574-722-4727
SIC Code:	2951
County Location:	Cass
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Minor Source, under PSD Rules; Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

### A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

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This stationary source consists of the following emission units and pollution control devices:

- (a) one (1) asphalt dryer capable of processing 150 tons per hour of raw material, equipped with one (1) natural gas-fired 70 million British thermal units (MMBtu) per hour burner;
- (b) one (1) set of three (3) vibrating screens for classifying dried aggregate;
- (c) one (1) mixer for mixing classified aggregate and liquid asphalt;
- (d) one (1) baghouse for controlling particulate matter (PM and PM-10) emissions from the dryer and mixer, exhausting at one (1) stack (ID No. SV1);
- (e) one (1) aggregate conveyor with a maximum capacity of 150 tons per hour;
- (f) production of stockpile mix (cold mix) asphalt; and
- (g) one (1) 20,000 gallon liquid asphalt storage tank;

### A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

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This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) one (1) natural gas fired hot oil heater, with a maximum rated capacity of 2.115 million British thermal units per hour;
- (b) five (5) hopper bottom aggregate storage bins, each with a capacity of 20 tons;
- (c) two (2) 10,000 gallon liquid asphalt storage tanks;
- (d) 20% unpaved roads with public access and 80% paved roads; and
- (e) multiple aggregate storage piles with a total maximum storage capacity of 20,000 tons.

### A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

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This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);

- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).



## SECTION B

## GENERAL CONDITIONS

### B.1 Definitions [326 IAC 2-7-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

### B.2 Permit Term [326 IAC 2-7-5(2)] [326 IAC 2-1.1-9.5]

This permit is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date.

### B.3 Enforceability [326 IAC 2-7-7]

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

### B.4 Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

### B.5 Severability [326 IAC 2-7-5(5)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

### B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

This permit does not convey any property rights of any sort or any exclusive privilege.

### B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

### B.8 Compliance with Permit Conditions [326 IAC 2-7-5(6)(A)] [326 IAC 2-7-5(6)(B)]

- (a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for:
  - (1) Enforcement action;
  - (2) Permit termination, revocation and reissuance, or modification; or
  - (3) Denial of a permit renewal application.
- (b) Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act.

- (c) It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
- (d) An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

**B.9 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)(C)]**

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- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.
- (c) A responsible official is defined at 326 IAC 2-7-1(34).

**B.10 Annual Compliance Certification [326 IAC 2-7-6(5)]**

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- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than July 1 of each year to:

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V  
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
  - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
  - (2) The compliance status;
  - (3) Whether compliance was continuous or intermittent;

- (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and
- (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ, may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

**B.11 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)] [326 IAC 1-6-3]**

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- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within thirty (30) days after issuance of this permit, including the following information on each facility:
  - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
  - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
  - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee’s control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional thirty (30) days provided the Permittee notifies:

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

The PMP extension notification does not require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

- (b) The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.
- (c) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).
- (d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

**B.12 Emergency Provisions [326 IAC 2-7-16]**

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- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.

- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
- (2) The permitted facility was at the time being properly operated;
- (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality,  
Compliance Section), or

Telephone Number: 317-233-5674 (ask for Compliance Section)

Facsimile Number: 317-233-5967

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

- (e) IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
- (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

**B.13 Permit Shield [326 IAC 2-7-15] [326 IAC 2-7-20] [326 IAC 2-7-12]**

- (a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed in compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.
- (d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
  - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
  - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
  - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

- (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

**B.14 Prior Permits Superseded [326 IAC 2-1.1-9.5]**

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- (a) All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either
  - (1) incorporated as originally stated,
  - (2) revised, or
  - (3) deletedby this permit.
- (b) All previous registrations and permits are superseded by this permit.

**B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]**

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- (a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:  
  
Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015  
  
using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.  
  
The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

**B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]**

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- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, determines any of the following:
  - (1) That this permit contains a material mistake.
  - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
  - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

**B.17 Permit Renewal [326 IAC 2-7-4]**

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- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

- (b) Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]
  - (1) A timely renewal application is one that is:
    - (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
    - (B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
  - (2) If IDEM, OAQ, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

- (c) Right to Operate After Application for Renewal [326 IAC 2-7-3]  
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as being needed to process the application.
- (d) United States Environmental Protection Agency Authority [326 IAC 2-7-8(e)]  
If IDEM, OAQ, fails to act in a timely way on a Part 70 permit renewal, the U.S. EPA may invoke its authority under Section 505(e) of the Clean Air Act to terminate or revoke and reissue a Part 70 permit.

**B.18 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]**

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- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:  
  
Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015  
  
Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

**B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)] [326 IAC 2-7-12 (b)(2)]**

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- (a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.
- (b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

**B.20 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]**

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- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is met:
  - (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
  - (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;



(3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V  
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

(5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-7-20(b), (c), or (e) and makes such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, in the notices specified in 326 IAC 2-7-20(b)(1), (c)(1), and (e)(2).

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;
- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) Emission Trades [326 IAC 2-7-20(c)]

The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]

The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

**B.21 Source Modification Requirement [326 IAC 2-7-10.5]**

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A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.

**B.22 Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2][IC 13-30-3-1]**

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Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

**B.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]**

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- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

The application which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

**B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]**

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- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ, the applicable fee is due April 1 of each year.

- (b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, I/M & Billing Section), to determine the appropriate permit fee.

## SECTION C

## SOURCE OPERATION CONDITIONS

Entire Source
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### Emission Limitations and Standards [326 IAC 2-7-5(1)]

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour [40 CFR 52 Subpart P][326 IAC 6-3-2]

- (a) Pursuant to 40 CFR 52 Subpart P, particulate matter emissions from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.
- (b) Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour. This condition is not federally enforceable.

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2. 326 IAC 9-1-2 is not federally enforceable.

C.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

C.6 Operation of Equipment [326 IAC 2-7-6(6)]

Except as otherwise provided by statute or rule, or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
  - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
  - (2) If there is a change in the following:
    - (A) Asbestos removal or demolition start date;
    - (B) Removal or demolition contractor; or
    - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management  
Asbestos Section, Office of Air Quality  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (e) Procedures for Asbestos Emission Control  
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) Demolition and renovation  
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

- (g) Indiana Accredited Asbestos Inspector  
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

### **Testing Requirements [326 IAC 2-7-6(1)]**

#### **C.8 Performance Testing [326 IAC 3-6]**

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- (a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the source submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

### **Compliance Requirements [326 IAC 2-1.1-11]**

#### **C.9 Compliance Requirements [326 IAC 2-1.1-11]**

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The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

### **Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]**

#### **C.10 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]**

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Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within thirty (30) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within thirty (30) days, the Permittee may extend the compliance schedule related to the equipment for an additional thirty (30) days provided the Permittee notifies:

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

in writing, prior to the end of the initial thirty (30) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a source modification shall be implemented when operation begins.

**C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]**

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Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60 Appendix B, 40 CFR 63, or other approved methods as specified in this permit.

**C.12 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]**

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- (a) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ( $\pm 2\%$ ) of full scale reading.
- (b) Whenever a condition in this permit requires the measurement of a temperature or flow rate, the instrument employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ( $\pm 2\%$ ) of full scale reading.
- (c) The Permittee may request the IDEM, OAQ approve the use of a pressure gauge or other instrument that does not meet the above specifications provided the Permittee can demonstrate an alternative pressure gauge or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement of pressure drop or other parameters.

**Corrective Actions and Response Steps [326 IAC 2-7-5] [326 IAC 2-7-6]**

**C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]**

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Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

- (a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

within ninety (90) days after the date of issuance of this permit.

The ERP does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.
- (d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.
- (e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.
- (f) Upon direct notification by IDEM, OAQ, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level.  
[326 IAC 1-5-3]

C.14 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

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If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the source must comply with the applicable requirements of 40 CFR 68.

C.15 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-7-5] [326 IAC 2-7-6]

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- (a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:
  - (1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected timeframe for taking reasonable response steps.
  - (2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.
- (b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:
  - (1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or
  - (2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.
  - (3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, the IDEM, OAQ shall be promptly notified of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.



- (4) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (c) The Permittee is not required to take any further response steps for any of the following reasons:
  - (1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.
  - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for a minor permit modification to the permit, and such request has not been denied.
  - (3) An automatic measurement was taken when the process was not operating.
  - (4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.
- (d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.
- (e) The Permittee shall record all instances when, in accordance with Section D, response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.
- (f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5]  
[326 IAC 2-7-6]

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- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

**Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

**C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)] [326 IAC 2-7-5(7)] [326 IAC 2-7-19(c)] [326 IAC 2-6]**

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- (a) The Permittee shall submit an annual emission statement certified pursuant to the requirements of 326 IAC 2-6, that must be received by July 1 of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The annual emission statement shall meet the following requirements:
- (1) Indicate estimated actual emissions of criteria pollutants from the source, in compliance with 326 IAC 2-6 (Emission Reporting);
  - (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) ("Regulated pollutant which is used only for purposes of Section 19 of this rule") from the source, for purposes of Part 70 fee assessment.
- (b) The annual emission statement covers the twelve (12) consecutive month time period starting January 1 and ending December 31. The annual emission statement must be submitted to:

Indiana Department of Environmental Management  
Technical Support and Modeling Section, Office of Air Quality  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

The emission statement does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) The annual emission statement required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

**C.18 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]**

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- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

**C.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]**

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- (a) The source shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years.

### **Stratospheric Ozone Protection**

#### **C.20 Compliance with 40 CFR 82 and 326 IAC 22-1**

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Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

- (a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- (b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

## SECTION D.1

## FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-7-5(15)]:

- (a) one (1) asphalt dryer capable of processing 150 tons per hour of raw material, equipped with one (1) natural gas-fired 70 million British thermal units (MMBtu) per hour burner;
- (b) one (1) set of three (3) vibrating screens for classifying dried aggregate;
- (c) one (1) mixer for mixing classified aggregate and liquid asphalt;
- (d) one (1) baghouse for controlling particulate matter (PM and PM-10) emissions from the dryer and mixer, exhausting at one (1) stack (ID No. SV1);
- (e) one (1) aggregate conveyor with a maximum capacity of 150 tons per hour;

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

### Emission Limitations and Standards [326 IAC 2-7-5(1)]

#### D.1.1 General Provisions Relating to NSPS [326 IAC 12-1][40 CFR Part 60, Subpart A]

The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the facility described in this section except when otherwise specified in 40 CFR Part 60, Subpart I.

#### D.1.2 Particulate Matter (PM) [326 IAC 12] [40 CFR 60.90, Subpart I][326 IAC 2-2]

Pursuant to 326 IAC 12, (40 CFR Part 60.90, Subpart I) "Standards of Performance for Hot Mix Asphalt Facilities", the particulate matter emissions from the mixing and drying operations shall be limited to 0.04 grains per dry standard cubic foot (gr/dscf). This is equivalent to a particulate matter emission rate of 8.23 pounds per hour. Based on 8,760 hours of operation per 12 consecutive month period, this limits PM emissions from the mixing and drying operations to 36.04 tons per year for a source-wide total potential to emit of less than 250 tons per year. Therefore, this limit will also render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

#### D.1.3 PSD Minor Limit [326 IAC 2-2]

Particulate matter 10 microns or less (PM-10) emissions from the aggregate mixing and drying operation shall not exceed 0.337 pound of PM-10 per ton of asphalt mix. This is equivalent to a PM-10 emission limit of 50.65 pounds per hour, including both filterable and condensable fractions, based on a maximum throughput of 150 tons of asphalt mix per hour. Based on 8,760 hours of operation per 12 consecutive month period, this limits PM-10 emissions from the aggregate mixing and drying operation to 221.86 tons per year for a source-wide total potential to emit of less than 250 tons per year. Therefore, compliance with this limit will render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

#### D.1.4 Opacity [326 IAC 12] [40 CFR 60.90, Subpart I]

Pursuant to 326 IAC 12, (40 CFR Part 60.92, Subpart I) "Standards of Performance for Hot Mix Asphalt Facilities", the mixing and drying operations shall not discharge or cause the discharge into the atmosphere any gases which exhibit 20% opacity or greater.

#### D.1.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and any control devices.

## **Compliance Determination Requirements**

### **D.1.6 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]**

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During the period between July 2007 and January 2008, in order to demonstrate compliance with Conditions D.1.2, D.1.3, and D.1.4, the Permittee shall perform PM and PM-10 testing for the mixing and drying operation utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM-10 includes filterable and condensible PM-10. Testing shall be conducted in accordance with Section C- Performance Testing.

### **D.1.7 Particulate Control**

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In order to comply with conditions D.1.2 and D.1.3, the baghouse for particulate control shall be in operation and control emissions from the mixing and drying operation at all times when mixing and drying are in operation.

## **Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]**

### **D.1.8 Visible Emissions Notations**

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- (a) Visible emission notations of the aggregate dryer, mixer, and burner baghouse stack exhaust and the conveying, material transfer points, and screening shall be performed once per shift during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

### **D.1.9 Parametric Monitoring**

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The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the mixing and drying operation, at least once per shift when the mixing and drying process is in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 2.0 and 8.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

#### D.1.10 Baghouse Inspections

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- (a) An inspection shall be performed each calendar quarter of all bags controlling the aggregate mixing and drying operation with no two (2) inspections conducted in consecutive months. All defective bags shall be replaced.
- (b) Inspections required by this condition shall not prevent the Permittee from conducting additional voluntary inspections provided that the requirements of this condition are met.

#### D.1.11 Broken or Failed Bag Detection

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In the event that bag failure has been observed:

- (a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this permit (Section B- Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.
- (b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

### **Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

#### D.1.12 Record Keeping Requirements

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- (a) To document compliance with Condition D.1.8, the Permittee shall maintain records of visible emission notations of the aggregate dryer, mixer, and burner baghouse stack exhaust and the conveying, material transfer points, and screening once per shift.
- (b) To document compliance with Condition D.1.9, the Permittee shall maintain once per shift records of the total static pressure drop during normal operation.
- (c) To document compliance with Condition D.1.10, the Permittee shall maintain records of the results of the inspections required under Condition D.1.10.
- (d) To document compliance with Condition D.1.5, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.
- (e) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

## SECTION D.2

## FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-7-5(15)]:

(f) production of stockpile mix (cold mix) asphalt.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

### Emission Limitations and Standards [326 IAC 2-7-5(1)]

#### D.2.1 Volatile Organic Compound (VOC) [326 IAC 8-5-2][326 IAC 2-2]

(a) Pursuant to 326 IAC 8-5-2 (Miscellaneous Operations: Asphalt Paving), the use of cutback asphalt or asphalt emulsion shall not contain more than seven percent (7%) oil distillate by volume of emulsion for any paving application except the following purposes:

- (1) penetrating prime coating
- (2) stockpile storage
- (3) application during the months of November, December, January, February and March.

(b) Cutback asphalt medium cure liquid binder usage shall not exceed 346.07 tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis. This is equivalent to limiting the VOC emitted from solvent use to 242.25 tons per twelve (12) consecutive month period, based on the following definition:

Cut back asphalt medium cure, containing a maximum of 28.6% of the liquid binder by weight of VOC solvent and 70% by weight of VOC solvent evaporating.

This limit will render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

### Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

#### D.2.2 Record Keeping Requirements

To document compliance with Condition D.2.1(b), the Permittee shall maintain records in accordance with (a) through (d) below. Records maintained for (a) through (d) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC emission limit established in Condition D.2.1(b). Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.

- (a) Calendar dates covered in the compliance determination period;
- (b) Cutback asphalt medium cure liquid binder usage per month since the last compliance determination period;
- (c) VOC solvent content by weight of the cutback asphalt medium cure liquid binder used each month; and
- (d) Amount of VOC solvent used in the production of cold mix asphalt, and the amount of VOC emitted each month.

All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

#### **D.2.3 Reporting Requirements**

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A quarterly summary of the information to document compliance with Condition D.2.1(b) shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).



### SECTION D.3

### FACILITY OPERATION CONDITIONS

**Facility Description [326 IAC 2-7-5(15)]:**

(g) one (1) 20,000 gallon liquid asphalt storage tank.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

**Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]****D.3.1 Record Keeping Requirements [326 IAC 12][40 CFR 60.110b, Subpart Kb]**

- (a) Pursuant to 40 CFR Part 60.110b, Subpart Kb (Standards of Performance for Volatile Organic Liquid Storage Vessels), the one (1) 20,000 gallon asphalt storage tank, with a vapor pressure of less than 15.0 kPa, is subject to 40 CFR Part 60.116b, paragraphs (a), (b), and (d) which require record keeping.
- (b) To document compliance with paragraph (a) above, the Permittee shall maintain permanent records at the source in accordance with (1) through (3) below:
  - (1) the dimension of the storage vessel;
  - (2) an analysis showing the capacity of the storage vessel; and
  - (3) the true vapor pressure of the VOC stored in the one (1) 20,000 gallon asphalt storage tank, indicating that the maximum true vapor pressure of VOC is less than 15.0 kPa.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

### PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Central Paving, Inc.  
Source Address: 2403 South County Road 150 East, Logansport, Indiana 46947  
Mailing Address: P.O. Box 357, Logansport, Indiana 46947  
Part 70 Permit No.: T017-15214-03118

**This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.**

Please check what document is being certified:

9 Annual Compliance Certification Letter

9 Test Result (specify) \_\_\_\_\_

9 Report (specify) \_\_\_\_\_

9 Notification (specify) \_\_\_\_\_

9 Affidavit (specify) \_\_\_\_\_

9 Other (specify) \_\_\_\_\_

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Phone:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE BRANCH  
100 North Senate Avenue  
P.O. Box 6015  
Indianapolis, Indiana 46206-6015  
Phone: 317-233-5674  
Fax: 317-233-5967**

**PART 70 OPERATING PERMIT  
EMERGENCY OCCURRENCE REPORT**

Source Name: Central Paving, Inc.  
Source Address: 2403 South County Road 150 East, Logansport, Indiana 46947  
Mailing Address: P.O. Box 357, Logansport, Indiana 46947  
Part 70 Permit No.: T017-15214-03118

**This form consists of 2 pages**

**Page 1 of 2**

- 9** This is an emergency as defined in 326 IAC 2-7-1(12)
- C** The Permittee must notify the Office of Air Quality (OAQ), within four **(4)** business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
  - C** The Permittee must submit notice in writing or by facsimile within two **(2)** working days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16.

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:

Control Equipment:

Permit Condition or Operation Limitation in Permit:

Description of the Emergency:

Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A

**Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency?    Y    N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO <sub>2</sub> , VOC, NO <sub>x</sub> , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

A certification is not required for this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE DATA SECTION**

**Part 70 Quarterly Report**

Source Name: Central Paving, Inc.  
Source Address: 2403 South County Road 150 East, Logansport, Indiana 46947  
Mailing Address: P.O. Box 357, Logansport, Indiana 46947  
Part 70 Permit No.: T017-15214-03118  
Facility: production of stockpile mix (cold mix) asphalt  
Parameter: VOC  
Limit: Cutback asphalt medium cure liquid binder usage shall not exceed 346.07 tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis. This is equivalent to limiting the VOC emitted from solvent use to 242.25 tons per twelve (12) consecutive month period

YEAR: \_\_\_\_\_

Month	Column 1	Column 2	Column 1 + Column 2
	Total VOC Solvent Usage This Month (tons)	Total VOC Solvent Usage Previous 11 Months (tons)	12 Month Total VOC Solvent Usage (tons)
Month 1			
Month 2			
Month 3			

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.  
Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_  
Title / Position: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Phone: \_\_\_\_\_

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE DATA SECTION**

**PART 70 OPERATING PERMIT  
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Central Paving, Inc.  
Source Address: 2403 South County Road 150 East, Logansport, Indiana 46947  
Mailing Address: P.O. Box 357, Logansport, Indiana 46947  
Part 70 Permit No.: T017-15214-03118

Months: \_\_\_\_\_ to \_\_\_\_\_ Year: \_\_\_\_\_

Page 1 of 2

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

9 NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

9 THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

**Permit Requirement** (specify permit condition #)

**Date of Deviation:**

**Duration of Deviation:**

**Number of Deviations:**

**Probable Cause of Deviation:**

**Response Steps Taken:**

**Permit Requirement** (specify permit condition #)

**Date of Deviation:**

**Duration of Deviation:**

**Number of Deviations:**

**Probable Cause of Deviation:**

**Response Steps Taken:**

<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	

Form Completed By: \_\_\_\_\_

Title/Position: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Attach a signed certification to complete this report.

## Indiana Department of Environmental Management Office of Air Quality

### Addendum to the Technical Support Document for a Part 70 Operating Permit

Source Name: Central Paving, Inc.  
 Source Location: 2403 South County Road 150 East, Logansport, Indiana 46947  
 County: Cass  
 SIC Code: 2951  
 Operation Permit No.: T017-15214-03118  
 Permit Reviewer: Trish Earls/EVP

On April 2, 2003, the Office of Air Quality (OAQ) had a notice published in the Pharos Tribune, Logansport, Indiana, stating that Central Paving, Inc. had applied for a Part 70 Operating Permit to operate a stationary batch-mix hot asphalt plant. The notice also stated that OAQ proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

Upon further review, the OAQ has decided to make the following revisions to the permit (bolded language has been added, the language with a line through it has been deleted).

1. Paragraph (c) of condition C.12, Pressure Gauge and Other Instrument Specifications, has been deleted since this source does not use pH meters for compliance monitoring. Therefore, condition C.12 is revised to read as follows:
- C.12 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)]  
 [326 IAC 2-7-6(1)]
- 
- (a) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ( $\pm 2\%$ ) of full scale reading.
  - (b) Whenever a condition in this permit requires the measurement of a temperature or flow rate, the instrument employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ( $\pm 2\%$ ) of full scale reading.
  - ~~(c) The Preventive Maintenance Plan for the pH meter shall include calibration using known standards. The frequency of calibration shall be adjusted such that the typical error found at calibration is less than one pH point.~~
  - ~~(d)~~(c) The Permittee may request the IDEM, OAQ approve the use of a pressure gauge or other instrument that does not meet the above specifications provided the Permittee can demonstrate an alternative pressure gauge or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement of pressure drop or other parameters.



2. On March 3, 2003, U.S.EPA published a notice for "Conditional Approval of Implementation Plan: Indiana" in the Federal Register / Vol. 68, No.41 at pages 9892 through 9895. This notice grants conditional approval to the PSD State Implementation Plan (SIP) under provisions of 40 CFR §51.166 and 40 CFR §52.770 while superceding the delegated PSD SIP authority under 40 CFR §52.793. The effective date for these provisions is April 2, 2003. Therefore, the PSD permits will be issued under the authority of 326 IAC 2-2 and will no longer be issued under the provision of 40 CFR 52.21 and 40 CFR 124. Because of this, conditions D.1.2, D.1.3, and D.2.1, which contain limits that also render the requirements of 326 IAC 2-2 (PSD) not applicable, have been revised based on the PSD SIP approval status (where language deleted is shown with strikeout):

D.1.2 Particulate Matter (PM) [326 IAC 12] [40 CFR 60.90, Subpart I][326 IAC 2-2][40 CFR 52.21]  
Pursuant to 326 IAC 12, (40 CFR Part 60.90, Subpart I) "Standards of Performance for Hot Mix Asphalt Facilities", the particulate matter emissions from the mixing and drying operations shall be limited to 0.04 grains per dry standard cubic foot (gr/dscf). This is equivalent to a particulate matter emission rate of 8.23 pounds per hour. Based on 8,760 hours of operation per 12 consecutive month period, this limits PM emissions from the mixing and drying operations to 36.04 tons per year for a source-wide total potential to emit of less than 250 tons per year. Therefore, this limit will also render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) and ~~40 CFR 52.21~~ not applicable.

D.1.3 PSD Minor Limit [326 IAC 2-2] [40 CFR 52.21]  
Particulate matter 10 microns or less (PM-10) emissions from the aggregate mixing and drying operation shall not exceed 0.337 pound of PM-10 per ton of asphalt mix. This is equivalent to a PM-10 emission limit of 50.65 pounds per hour, including both filterable and condensable fractions, based on a maximum throughput of 150 tons of asphalt mix per hour. Based on 8,760 hours of operation per 12 consecutive month period, this limits PM-10 emissions from the aggregate mixing and drying operation to 221.86 tons per year for a source-wide total potential to emit of less than 250 tons per year. Therefore, compliance with this limit will render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) and ~~40 CFR 52.21~~ not applicable.

D.2.1 Volatile Organic Compound (VOC) [326 IAC 8-5-2][326 IAC 2-2][40 CFR 52.21]  
(a) Pursuant to 326 IAC 8-5-2 (Miscellaneous Operations: Asphalt Paving), the use of cutback asphalt or asphalt emulsion shall not contain more than seven percent (7%) oil distillate by volume of emulsion for any paving application except the following purposes:

- (1) penetrating prime coating
- (2) stockpile storage
- (3) application during the months of November, December, January, February and March.

(b) Cutback asphalt medium cure liquid binder usage shall not exceed 346.07 tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis. This is equivalent to limiting the VOC emitted from solvent use to 242.25 tons per twelve (12) consecutive month period, based on the following definition:

Cut back asphalt medium cure, containing a maximum of 28.6% of the liquid binder by weight of VOC solvent and 70% by weight of VOC solvent evaporating.

This limit will render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) ~~and 40 CFR 52.21~~ not applicable.

3. The following updates have been made to the table of contents of the Part 70 permit in order to be complete, clear, and correct.
    - A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(15)][**326 IAC 2-7-1(22)**]
    - A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)]  
**[326 IAC 2-7-5(15)]**
    - A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)]  
**[326 IAC 2-7-5(15)]**
    - B.11 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3)and (13)][326 IAC 2-7-6(1)and(6)]  
**[326 IAC 1-6-3]**
    - B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination  
**[326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]**
    - B.19 Permit Revision Under Economic Incentives and Other Programs **[326 IAC 2-7-5(8)]**  
**[326 IAC 2-7-12 (b)(2)]**
    - C.1 Particulate Matter Emission Limitations For Processes with Process Weight Rates **Less Than One Hundred (100) pounds per hour [40 CFR 52 Subpart P][326 IAC 6-3-2]**
    - C.11 Monitoring Methods [326 IAC 3][**40 CFR 60][40 CFR 63]**
    - C.12 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] **[326 IAC 2-7-5(3)]**  
**[326 IAC 2-7-6(1)]**
    - C.15 Compliance Response Plan - Preparation, Implementation, Records, and Reports **[326 IAC 2-7-5] [326 IAC 2-7-6]**
    - C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5]  
**[326 IAC 2-7-6]**
    - C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)] [326 IAC 2-7-5(7)] [326 IAC 2-7-19(c)]  
**[326 IAC 2-6]**
  4. The duty to supplement an application is not an ongoing requirement after the permit is issued; therefore, (a) has been removed from condition B.7, Duty to Supplement and Provide Information.
    - B.7 Duty to Supplement and Provide Information ~~[326 IAC 2-7-4(b)]~~ [326 IAC 2-7-5(6)(E)]  
~~[326 IAC 2-7-6(6)]~~
      - ~~(a) The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:~~

\_\_\_\_\_ Indiana Department of Environmental Management

\_\_\_\_\_ Permits Branch, Office of Air Quality

\_\_\_\_\_ 100 North Senate Avenue, P. O. Box 6015

\_\_\_\_\_ Indianapolis, Indiana 46206-6015
- \_\_\_\_\_ The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b)(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit.
- (e)(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.
5. Condition B.11 (b) was revised to clarify that required record keeping needs to be implemented as well as the rest of the plan to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit. Also, (c) has been revised to clarify that OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The requirements to keep records of preventive maintenance in (d) has been moved to Section D. Because the general record keeping requirements (i.e. retained for 5 years) are in Section C, it is not necessary to include them in this condition or in the section D condition. At some sources, an OMM Plan is required. Instead of having two separate plans, the OMM Plan may satisfy the PMP requirements, so (d) has been added to this condition.
- B.11 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)] [326 IAC 1-6-3]
- 
- (b) The Permittee shall implement the PMPs, **including any required record keeping**, as necessary to ensure that failure to implement a PMP does not cause or contribute to ~~a violation~~ **an exceedance** of any limitation on emissions or potential to emit.
- (c) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or ~~contributes to any violation~~ **is the primary contributor to an exceedance of any limitation on emissions or potential to emit**. The PMP does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- ~~(d) Records of preventive maintenance shall be retained for a period of at least five (5) years. These records shall be kept at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.~~
- (d) **To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.**
6. For clarity, additional rule cites have been added to condition B.22, Inspection and Entry.

**B.22 Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2][IC 13-30-3-1]**

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Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) **As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have** ~~Have~~ access to and copy any records that must be kept under the conditions of this permit;
- (c) **As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect** ~~inspect~~ any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) **As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample** ~~Sample~~ or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) **As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize** ~~Utilize~~ any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

7. The following change has been made to condition C.1, Particulate Emission Limitations for Processes with Process Weight Rates Less Than One Hundred (100) Pounds Per Hour:

**C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour [40 CFR 52 Subpart P][326 IAC 6-3-2]**

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- (a) Pursuant to 40 CFR 52 Subpart P, ~~the allowable~~ particulate matter emissions ~~rate~~ from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.
- (b) Pursuant to 326 IAC 6-3-2(e)(2), ~~the allowable~~ particulate emissions ~~rate~~ from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour. This condition is not federally enforceable.

8. Condition C.7, Asbestos Abatement Projects, has been revised to clarify that the requirement to have an Indiana Accredited Asbestos inspector is not federally enforceable.

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
  - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
  - (2) If there is a change in the following:
    - (A) Asbestos removal or demolition start date;
    - (B) Removal or demolition contractor; or
    - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management  
Asbestos Section, Office of Air Quality  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (e) Procedures for Asbestos Emission Control  
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

**(f) Demolition and renovation**

**The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).**

**(f)(g) Indiana Accredited Asbestos Inspector**

The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. ~~The requirement that the inspector be accredited, pursuant to the provisions of 40 CFR 61, Subpart M, is federally enforceable.~~ **The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.**

9. Condition C.14, Risk Management Plan, has been revised so that it is more straightforward, and the condition requires the source to comply with the applicable requirements of 40 CFR 68 if a regulated substance is present at a source in more than a threshold quantity.

**C.14 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68-215]**

If a regulated substance, ~~subject to as defined in 40 CFR 68,~~ is present at a source in more than a threshold quantity, ~~40 CFR 68 is an applicable requirement and the Permittee shall submit:~~ **the source must comply with the applicable requirements of 40 CFR 68.**

~~(a) A compliance schedule for meeting the requirements of 40 CFR 68; or~~

~~(b) As a part of the annual compliance certification submitted under 326 IAC 2-7-6(5), a certification statement that the source is in compliance with all the requirements of 40 CFR 68, including the registration and submission of a Risk Management Plan (RMP);~~

~~All documents submitted pursuant to this condition shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).~~

10. Failure to take reasonable response steps shall be considered a deviation from the permit; therefore, paragraph (b)(4) of condition C.15 was revised. Language was added to (e) to clarify that the records that need to be kept are those instances when, in accordance with Section D, response steps are taken.

**C.15 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-7-5] [326 IAC 2-7-6]**

(b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:

- (1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or
- (2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.

- (3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, the IDEM, OAQ shall be promptly notified of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.
  - (4) Failure to take reasonable response steps shall ~~constitute a violation of~~ **be considered a deviation from** the permit.
  - (e) The Permittee shall record all instances when, **in accordance with Section D**, response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.
- 11. In order to clarify which documents need to be certified by the responsible official, the following update has been made:
- C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5]  
[326 IAC 2-7-6]

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  - (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
  - (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
  - (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The **response action** documents submitted pursuant to this condition do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- 12. Condition C.17 (a), Emission Statement, has been updated to include the specific rule cite that defines the regulated pollutants being referred to in this condition.
- C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)] [326 IAC 2-7-5(7)] [326 IAC 2-7-19(c)]  
[326 IAC 2-6]

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  - (a) The Permittee shall submit an annual emission statement certified pursuant to the requirements of 326 IAC 2-6, that must be received by July 1 of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The annual emission statement shall meet the following requirements:
    - (1) Indicate estimated actual emissions of criteria pollutants from the source, in compliance with 326 IAC 2-6 (Emission Reporting);

- (2) Indicate estimated actual emissions of ~~other~~ regulated pollutants (as defined by 326 IAC 2-7-1(32)) ("**Regulated pollutant which is used only for purposes of Section 19 of this rule**") from the source, for purposes of Part 70 fee assessment.

13. It is acceptable for records to be electronically accessible instead of being physically present at a source; therefore, the following update has been made:

C.18 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]

- (a) Records of all required **monitoring** data, reports and support information **required by this permit** shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be ~~kept~~ **physically present or electronically accessible** at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.
14. A requirement has been added to condition D.1.12 to require records of inspections prescribed by the Preventive Maintenance Plan to be maintained since the requirement has been removed from condition B.11.

D.1.12 Record Keeping Requirements

- (a) To document compliance with Condition D.1.8, the Permittee shall maintain records of visible emission notations of the aggregate dryer, mixer, and burner baghouse stack exhaust and the conveying, material transfer points, and screening once per shift.
- (b) To document compliance with Condition D.1.9, the Permittee shall maintain once per shift records of the total static pressure drop during normal operation.
- (c) To document compliance with Condition D.1.10, the Permittee shall maintain records of the results of the inspections required under Condition D.1.10.
- (d) **To document compliance with Condition D.1.5, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.**
- ~~(d)~~(e) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.
15. Language was added to the recordkeeping condition D.2.2 to clarify that the Permittee has 30 days to demonstrate compliance with the limit.

D.2.2 Record Keeping Requirements

To document compliance with Condition D.2.1(b), the Permittee shall maintain records in accordance with (a) through (d) below. Records maintained for (a) through (d) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC emission limit established in Condition D.2.1(b). **Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.**



- (a) Calendar dates covered in the compliance determination period;
- (b) Cutback asphalt medium cure liquid binder usage per month since the last compliance determination period;
- (c) VOC solvent content by weight of the cutback asphalt medium cure liquid binder used each month; and
- (d) Amount of VOC solvent used in the production of cold mix asphalt, and the amount of VOC emitted each month.

All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

## **Indiana Department of Environmental Management Office of Air Quality**

### Technical Support Document (TSD) for a Part 70 Operating Permit

#### **Source Background and Description**

**Source Name:** Central Paving, Inc.  
**Source Location:** 2403 South County Road 150 East, Logansport, IN 46947  
**County:** Cass  
**SIC Code:** 2951  
**Operation Permit No.:** T017-15214-03118  
**Permit Reviewer:** Trish Earls/EVP

The Office of Air Quality (OAQ) has reviewed a Part 70 permit application from Central Paving, Inc. relating to the operation of a stationary batch-mix hot asphalt plant.

#### **Permitted Emission Units and Pollution Control Equipment**

The source consists of the following permitted emission units and pollution control devices:

- (a) one (1) asphalt dryer capable of processing 150 tons per hour of raw material, equipped with one (1) natural gas-fired 70 million British thermal units (MMBtu) per hour burner;
- (b) one (1) set of three (3) vibrating screens for classifying dried aggregate;
- (c) one (1) mixer for mixing classified aggregate and liquid asphalt;
- (d) one (1) baghouse for controlling particulate matter (PM and PM-10) emissions from the dryer and mixer, exhausting at one (1) stack (ID No. SV1);
- (e) one (1) aggregate conveyor with a maximum capacity of 150 tons per hour;
- (f) production of stockpile mix (cold mix) asphalt; and
- (g) one (1) 20,000 gallon liquid asphalt storage tank;

#### **Unpermitted Emission Units and Pollution Control Equipment**

There are no unpermitted facilities operating at this source during this review process.

#### **Insignificant Activities**

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) one (1) natural gas fired hot oil heater, with a maximum rated capacity of 2.115 million British thermal units per hour;
- (b) five (5) hopper bottom aggregate storage bins, each with a capacity of 20 tons;
- (c) two (2) 10,000 gallon liquid asphalt storage tanks;
- (d) 20% unpaved roads with public access and 80% paved roads; and
- (e) multiple aggregate storage piles with a total maximum storage capacity of 20,000 tons.

## Existing Approvals

The source has been operating under previous approvals including, but not limited to, the following:

- (a) FESOP F017-7088-03118, issued on July 10, 1997;
- (b) First Significant Permit Revision No. 017-9742-03118, issued on July 17, 1998;
- (c) Second Significant Permit Revision No. 017-13667-03118, issued on March 15, 2001; and
- (d) Third Significant Permit Revision No. 017-13991-03118, issued on November 29, 2001.

All conditions from previous approvals were incorporated into this Part 70 permit except the following:

- (a) FESOP F017-7088-03118, issued on July 10, 1997;

Condition D.1.1(b) (as revised in the Third Significant Permit Revision No. 017-13991-03118, issued November 29, 2001):

### D.1.1 Particulate Matter Emissions

- (b) PM-10:

Pursuant to 326 IAC 2-8-4, emissions of particulate matter with diameter less than 10 microns (PM-10) from the aggregate mixing and drying operation shall not exceed 17.4 pounds per hour, including both filterable and condensable fractions. Compliance with this limit will satisfy 326 IAC 2-8-4. Therefore, the Part 70 rules (326 IAC 2-7) do not apply.

Reason not incorporated: This source has opted to become a Part 70 source, therefore, the limits to comply with 326 IAC 2-8-4 are no longer applicable. Revised PM-10 limits to render the requirements of 326 IAC 2-2 (PSD) not applicable will be included in the Part 70 permit.

Condition D.1.3:

### D.1.3 Cold-Mix (Stockpile Mix) Asphalt Usage

The VOC emissions from the production of cold mix (stockpile mix) asphalt shall be limited to 90.57 tons per twelve (12) consecutive Month period, rolled on a monthly basis. This is equivalent to 60,990 tons of cold mix (stockpile mix) asphalt per twelve (12) consecutive month period. Therefore, the requirements of 326 IAC 2-7 (Part 70) will not apply.

Reason not incorporated: This source has opted to become a Part 70 source, therefore, the limits to comply with 326 IAC 2-8-4 are no longer applicable. Revised VOC limits to render the requirements of 326 IAC 2-2 (PSD) not applicable will be included in the Part 70 permit.

## Enforcement Issue

There are no enforcement actions pending.

## Recommendation

The staff recommends to the Commissioner that the Part 70 permit be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An administratively complete Part 70 permit application for the purposes of this review was received on September 9, 2002.

Note: This source originally submitted a FESOP Renewal application on January 10, 2002. The draft FESOP Renewal was put on public notice from July 25, 2002 through August 24, 2002. A letter containing comments on the draft permit and a request to transition to a Part 70 permit was received from the source by the OAQ on September 9, 2002.

There was no notice of completeness letter mailed to the source.

## Emission Calculations

See Appendix A of this document for detailed emissions calculations (7 pages).

## Potential To Emit

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as "the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA."

This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	greater than 250
PM-10	greater than 250
SO <sub>2</sub>	less than 25
VOC	greater than 250
CO	less than 100
NO <sub>x</sub>	less than 100

Note: For the purpose of determining Title V applicability for particulates, PM-10, not PM, is the regulated pollutant in consideration.

HAP	PTE (tons/year)
Acetaldehyde	less than 10
Arsenic	less than 10
Benzene	less than 10
Beryllium	less than 10
Cadmium	less than 10
Chromium	less than 10
Ethylbenzene	less than 10
Formaldehyde	less than 10
Quinone	less than 10
Lead	less than 10
Manganese	less than 10
Mercury	less than 10

Nickel	less than 10
Selenium	less than 10
Toluene	less than 10
Total Polycyclic Organic Matter	less than 10
Xylene	less than 10
TOTAL HAPs	less than 25

- (a) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of PM-10 and VOC are equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.
- (b) Fugitive Emissions  
Since there are applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive emissions are counted toward determination of PSD and Emission Offset applicability.

### Actual Emissions

No previous emission data has been received from the source.

### Potential to Emit After Issuance

The table below summarizes the potential to emit, reflecting all limits, of the significant emission units after controls. The control equipment is considered federally enforceable only after issuance of this Part 70 operating permit.

Process/facility	Potential to Emit (tons/year)						
	PM	PM-10	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>	HAPs
Aggregate Dryer and Burner	36.04 <sup>(1)</sup>	221.86 <sup>(2)</sup>	0.18	6.70	25.75	30.66	5.01
Hot Oil Heater	0.02	0.07	0.01	0.05	0.78	0.93	negligible
Conveying/Handling	1.35	0.64	-	-	-	-	-
Unpaved Roads <sup>(3)</sup>	124.10	26.39	-	-	-	-	-
Aggregate Storage	0.10	0.04	-	-	-	-	-
Cold-mix VOC storage <sup>(4)</sup>	-	-	-	242.25	-	-	-
Total Emissions	161.61	249.00	0.19	249.00	26.53	31.59	5.01

- (1) Maximum allowable PM emissions pursuant to Subpart I as listed in condition D.1.2.
- (2) Maximum allowable PM10 emissions to render 326 IAC 2-2 (PSD) not applicable as listed in condition D.1.3.
- (3) Potential to emit after controls.
- (4) Maximum allowable VOC emissions to render 326 IAC 2-2 (PSD) not applicable as listed in condition D.2.1.

### County Attainment Status

The source is located in Cass County.

Pollutant	Status
PM-10	attainment
SO <sub>2</sub>	attainment
NO <sub>2</sub>	attainment
Ozone	attainment
CO	attainment
Lead	attainment

- (a) Volatile organic compounds (VOC) are precursors for the formation of ozone. Therefore, VOC emissions are considered when evaluating the rule applicability relating to the ozone standards. Cass County has been designated as attainment or unclassifiable for ozone. Therefore, VOC emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 and 40 CFR 52.21.
- (b) Cass County has been classified as attainment or unclassifiable for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 and 40 CFR 52.21.
- (c) Fugitive Emissions  
Since there are applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive emissions are counted toward determination of PSD and Emission Offset applicability.

#### Part 70 Permit Conditions

This source is subject to the requirements of 326 IAC 2-7, pursuant to which the source has to meet the following:

- (a) Emission limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of issuance of Part 70 permits.
- (b) Monitoring and related record keeping requirements which assume that all reasonable information is provided to evaluate continuous compliance with the applicable requirements.

#### Federal Rule Applicability

- (a) This hot mix asphalt facility, originally constructed in 1968 then modified in 2001 by the addition of the 70.0 MMBtu per hour dryer burner which replaced a smaller 59.45 MMBtu per hour burner, is subject to the requirements of the New Source Performance Standard, 326 IAC 12, (40 CFR 60.90, Subpart I), "Standards of Performance for Hot Mix Asphalt Facilities" because it was modified after the applicability date of June 11, 1973. This rule limits particulate matter emissions to 0.04 grains per dry standard cubic foot (gr/dscf) and also limits visible emissions to 20% opacity. This is equivalent to a particulate matter emission rate of 8.23 pounds per hour. Based on 8,760 hours of operation per 12 consecutive month period, this limits PM emissions from the aggregate mixing and drying operation to 36.04 tons per year for a source-wide total potential to emit of less than 250 tons per year. The source will comply with this rule by using a baghouse to limit particulate matter emissions to less than 0.04 gr/dscf (see Appendix A, page 5 of 7, for detailed calculations).
- (b) The two (2) 10,000 gallon asphalt storage tanks at the source are not subject to the New Source Performance Standard, 326 IAC 12, (40 CFR Part 60.11b, Subpart Kb) "Standards of Performance for Volatile Organic Liquid Storage Vessels", because the storage capacities for these tanks are each less than 40 cubic meters.

- (c) The one (1) 20,000 gallon asphalt storage tank at the source is subject to the New Source Performance Standard, 326 IAC 12, (40 CFR Part 60.11b, Subpart Kb) "Standards of Performance for Volatile Organic Liquid Storage Vessels" because the tank has a storage capacity of greater than 40 cubic meters and was installed after July 23, 1984.

However, since the storage capacity of the one (1) 20,000 gallon liquid asphalt storage tank is greater than 75 cubic meters but less than 151 cubic meters, and the liquid stored in the tank has a maximum true vapor pressure of less than 15.0 kPa, it is not subject to 40 CFR 116b paragraph (c). Also, because the liquid stored in the tank has a maximum true vapor pressure less than 27.6 kPa, it is not subject to the requirements of 40 CFR 60.112b paragraphs (a) or (b). The tank is subject to only 40 CFR Part 60.116b, paragraphs (a), (b), and (d) which require record keeping.

- (d) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14 and 40 CFR Part 63) applicable to this source.
- (e) This source is not subject to the requirements of Section 112(j) of the Clean Air Act (40 CFR Part 63.50 through 63.56), because this source has a potential to emit of less than 10 tons per year of a single HAP and less than 25 tons per year of the combination of HAPs, and is therefore not a major source of HAPs.

#### **40 CFR 64 Compliance Assurance Monitoring**

- (a) This Part 70 source does include a pollutant-specific emissions unit as defined in 40 CFR 64.1 for PM-10:
- (1) with the potential to emit before controls equal to or greater than one hundred (100) tons per year of PM-10; and
  - (2) that is subject to an emission limitation for PM-10 and has a control device that is necessary to meet that limit.

The aggregate dryer and burner at this Part 70 source has an uncontrolled PTE of PM-10 of greater than 100 tons per year, and uses a baghouse to control PM-10 emissions to below 250 tons per year to render 326 IAC 2-2 (PSD) not applicable. Therefore, the requirements of 40 CFR Part 64, Compliance Assurance Monitoring, are applicable to this source.

- (b) The pollutant-specific emission unit is not a "large unit" as described in 40 CFR 64.5. Therefore, the owner or operator shall submit a CAM plan pursuant to 40 CFR 64 as part of the Part 70 renewal application.

#### **State Rule Applicability - Entire Source**

##### **326 IAC 2-2 (Prevention of Significant Deterioration (PSD))**

This stationary source is not subject to the requirements of this rule and this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2. When the aggregate dryer burner was installed in 2001, it was a replacement for a smaller burner. A FESOP Significant Permit Revision (017-13991-03118) was issued on November 29, 2001 for this replacement. At that time it was determined that the existing source was a minor PSD source and the emissions after the addition of the burner were determined to be less than the PSD significant modification thresholds.

As shown in the Potential to Emit After Issuance table on page 4 above, the allowable emissions of all regulated pollutants will remain less than 250 tons per year after application of all federally enforceable emission limits.

The PM emission limit pursuant to 40 CFR 60.90, Subpart I will limit PM emissions from the aggregate mixing and drying operation to 36.04 tons per year for a source-wide total potential to emit of less than 250 tons per year.

Also, PM-10 emissions from the aggregate dryer shall not exceed 0.337 pound PM-10 per ton of asphalt mix equivalent to 50.65 pounds per hour based on a maximum throughput of 150 tons of asphalt mix per hour. Based on 8,760 hours of operation per 12 consecutive month period, this limits PM-10 emissions from the aggregate mixing and drying operation to 221.86 tons per year for a source-wide total potential to emit of less than 250 tons per year.

Additionally, the cutback asphalt medium cure liquid binder usage shall not exceed 346.07 tons of VOC solvent per twelve (12) consecutive month period rolled on a monthly basis, so that VOC emissions are limited to less than 250 tons per year.

Therefore, the requirements of this rule do not apply.

326 IAC 2-6 (Emission Reporting)

This source is subject to 326 IAC 2-6 (Emission Reporting), because it has the potential to emit more than one hundred (100) tons per year of PM-10 and VOC. Pursuant to this rule, the owner/operator of the source must annually submit an emission statement for the source. The annual statement must be received by July 1 of each year and contain the minimum requirement as specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8)(Emission Statement Operating Year).

326 IAC 5-1 (Opacity Limitations)

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of forty percent (40%) any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

326 IAC 6-4 (Fugitive Dust Emissions)

This source is subject to 326 IAC 6-4 for fugitive dust emissions. Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions), fugitive dust shall not be visible crossing the boundary or property line of a source. Observances of visible emissions crossing property lines may be refuted by factual data expressed in 326 IAC 6-4-2(1), (2) or (3).

326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)

This source is not subject to 326 IAC 6-5 for fugitive particulate matter emissions. Pursuant to 326 IAC 6-5, for any new source which has not received all the necessary preconstruction approvals before December 13, 1985, a fugitive dust control plan must be submitted, reviewed and approved. The source was issued an Operation Permit (#99-08-88-3118) on August 29, 1984.



## State Rule Applicability - Individual Facilities

### 326 IAC 2-4.1-1 (New Source Toxics Control)

Pursuant to 326 IAC 2-4.1-1 (New Source Toxics Control), any source that constructs or reconstructs a major source of HAPs, which has the potential to emit (PTE) 10 tons per year of any single HAP or 25 tons per year of any combination of HAPs, must control emissions from that source using technologies consistent with the Maximum Achievable Control Technology (MACT). This source has potential single HAP and total HAP emissions of less than 10 and 25 tons per year, respectively, therefore, this rule does not apply.

### 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)

The aggregate mixing and drying operation is not subject to the requirements of 326 IAC 6-3-2. This rule does not apply if the limitation established in the rule is less stringent than applicable limitations in 326 IAC 2-2 (PSD), 326 IAC 2-3 (Emission Offset), 326 IAC 6-1, 326 IAC 11, 326 IAC 12, or 326 IAC 20. Since the applicable PM emission limit established by 326 IAC 12, 40 CFR 60, Subpart I (8.23 pounds per hour), is less than the PM limit that would be established by 326 IAC 6-3-2 (55.44 pounds per hour, see Appendix A, page 5 of 7), the more stringent limit applies and the limit pursuant to 326 IAC 6-3-2 does not apply.

### 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

The burner for the aggregate dryer and the hot oil heater are not subject to the requirements of this rule because potential SO<sub>2</sub> emissions from each of these units are less than 25 tons per year.

### 326 IAC 8-5-2 (Miscellaneous Operations: Asphalt Paving)

This rule applies to any paving application constructed after January 1, 1980 located anywhere in the state. Although this source was constructed prior to 1980, the use of stockpile mix (cold mix) asphalt at this source began in 1998 and was permitted under the First Significant Permit Revision F017-9742-03118, issued on July 17, 1998. Since the use of cutback asphalt began at this source in 1998, this rule is applicable. No person shall cause or allow the use of cutback asphalt or asphalt emulsion containing more than seven percent (7%) oil distillate by volume of emulsion for any paving application except the following purposes:

- 1) penetrating prime coating
- 2) stockpile storage
- 3) application during the months of November, December, January, February and March.

### 326 IAC 8-1-6 (New Facilities, General Reduction Requirements)

The production of cold mix asphalt is not subject to the requirements of this rule because it is subject to the requirements of 326 IAC 8-5-2.

## Testing Requirements

This source is subject to 40 CFR 60, Subpart I (Standards of Performance for Hot Mix Asphalt Facilities), and shall comply with the particulate matter (PM) and opacity compliance testing requirements of the rule for the batch-mix plant.

PM and PM-10 testing is required for the mixing and drying operation to demonstrate compliance with the limit pursuant to 40 CFR 60, Subpart I and the limit to render the requirements of 326 IAC 2-2 (PSD) not applicable. Since the last PM and PM-10 stack test for this source was conducted on July 31, 2002, testing will not be required again until five (5) years from that time or between July 2007 and January 2008.

## Compliance Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The compliance monitoring requirements applicable to this source are as follows:

1. The conveying, material transfer points, screening, and mixing and drying operation have applicable compliance monitoring conditions as specified below:
  - (a) Visible emissions notations of the aggregate dryer, mixer, and burner baghouse stack exhaust and the conveying, material transfer points, and screening shall be performed once per shift during normal daylight operations. A trained employee will record whether emissions are normal or abnormal. For processes operated continuously "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.
  - (b) The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the mixing and drying operation, at least once per shift when the mixing and drying process is in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 2.0 and 8.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan-Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

- (c) An inspection shall be performed each calendar quarter of all bags controlling the aggregate mixing and drying operation with no two (2) inspections conducted in consecutive months. All defective bags shall be replaced.

Inspections required by this condition shall not prevent the Permittee from conducting additional voluntary inspections provided that the requirements of this condition are met.

- (d) In the event that bag failure has been observed:

- (1) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this permit (Section B- Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.
- (2) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

These monitoring conditions are necessary because the baghouse for the mixing and drying operation must operate properly to ensure compliance with 326 IAC 12, 40 CFR 60.90, Subpart I (Standards of Performance for Hot Mix Asphalt Facilities) and 326 IAC 2-7 (Part 70) and to render the requirements of 326 IAC 2-2 (PSD) not applicable.

## Conclusion

The operation of this batch-mix hot asphalt plant shall be subject to the conditions of the attached proposed Part 70 Permit No. T017-15214-03118.

Company Name:

Central Paving, Inc.

Plant Location:

2403 S. County Road 150 East, Logansport, Indiana 46947

County:

Cass

Permit Reviewer:

Trish Earls

**\*\* aggregate dryer burner\*\***

The following calculations determine the amount of emissions created by natural gas combustion, from the aggregate dryer burner, based on 8,760 hours of operation and US EPA's AP-42, 5th Edition, Section 1.4 - Natural Gas Combustion, Tables 1.4-1 and 1.4-2.

<b>Criteria Pollutant:</b>	$\frac{70 \text{ MMBtu/hr} \times 8,760 \text{ hr/yr}}{1000 \text{ Btu/cf} \times 2,000 \text{ lb/ton}} \times \text{Ef (lb/MMcf)} = (\text{ton/yr})$
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<b>P M:</b>	1.9 lb/MMcf =	<b>0.58 ton/yr</b>
<b>P M-10:</b>	7.6 lb/MMcf =	<b>2.33 ton/yr</b>
<b>S O 2:</b>	0.6 lb/MMcf =	<b>0.18 ton/yr</b>
<b>N O x:</b>	100.0 lb/MMcf =	<b>30.66 ton/yr</b>
<b>V O C:</b>	5.5 lb/MMcf =	<b>1.69 ton/yr</b>
<b>C O:</b>	84.0 lb/MMcf =	<b>25.75 ton/yr</b>

**\*\* miscellaneous combustion sources\*\***

The following calculations determine the amount of emissions created by natural gas combustion, from the hot oil heater, based on 8,760 hours of operation and US EPA's AP-42, 5th Edition, Section 1.4 - Natural Gas Combustion, Tables 1.4-1 and 1.4-2.

<b>Criteria Pollutant:</b>	$\frac{2.115 \text{ MMBtu/hr} \times 8,760 \text{ hr/yr}}{1000 \text{ Btu/cf} \times 2,000 \text{ lb/ton}} \times \text{Ef (lb/MMcf)} = (\text{ton/yr})$
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<b>P M:</b>	1.9 lb/MMcf =	<b>0.02 ton/yr</b>
<b>P M-10:</b>	7.6 lb/MMcf =	<b>0.07 ton/yr</b>
<b>S O 2:</b>	0.6 lb/MMcf =	<b>0.01 ton/yr</b>
<b>N O x:</b>	100.0 lb/MMcf =	<b>0.93 ton/yr</b>
<b>V O C:</b>	5.5 lb/MMcf =	<b>0.05 ton/yr</b>
<b>C O:</b>	84.0 lb/MMcf =	<b>0.78 ton/yr</b>

**\*\* aggregate drying: batch-mix plant \*\***

The following calculations determine the amount of worst case emissions created by aggregate drying before controls, based on 8,760 hours of use and USEPA's AP-42, 5th Edition, Section 11.1 - Hot Mix Asphalt Plants, Tables 11.1-5 and 11.1-10 for a natural gas fired batch mix dryer:

Pollutant:	Ef	lb/ton x	150	ton/hr x	8,760 hr/yr
			2,000	lb/ton	

<b>Criteria Pollutant:</b>			
<b>P M:</b>	32	lb/ton =	<b>21,024.00 ton/yr</b>
<b>P M-10:</b>	4.5	lb/ton =	<b>2,956.50 ton/yr</b>
<b>VOC:</b>	7.62E-03	lb/ton =	<b>5.01 ton/yr</b>

The VOC emission factor represents the sum of the HAP emission factors from the dryer which were assumed to be VOC.

**\*\* conveying / handling \*\***

The following calculations determine the amount of emissions created by material handling, based on 8,760 hours of use and AP-42, Section 13.2.4, Equation 1. The emission factor for calculating PM emissions is calculated as follows:

PM-10 Emissions:

$$E = k \cdot (0.0032) \cdot ((U/5)^{1.3}) / ((M/2)^{1.4})$$

$$= 9.69E-04 \text{ lb PM-10/ton}$$

$$2.05E-03 \text{ lb PM/ton}$$

where k = 0.35 (particle size multiplier for <10um)  
0.74 (particle size multiplier for <30um)

U = 12 mph mean wind speed

M = 5.0 material moisture content (%)

$$\frac{150 \text{ ton/hr} \cdot 8,760 \text{ hrs/yr} \cdot E_f \text{ (lb/ton of material)}}{2,000 \text{ lb/ton}} = (\text{ton/yr})$$

**Total PM 10 E 0.64 tons/yr**  
**Total PM Emissions 1.35 tons/yr**

**\*\* unpaved roads \*\***

The following calculations determine the amount of emissions created by vehicle traffic on unpaved roads, based on 8,760 hours of use and USEPA's AP-42, 5th Edition, Section 13.2.2.2.

I. Truck - 14-Wheel Trucks

$$\begin{aligned} &7.5 \text{ trip/hr} \times \\ &0.23 \text{ mile/trip} \times \\ &2 \text{ (round trip) } \times \\ &8,760 \text{ hr/yr} = \end{aligned} \quad 30222 \text{ miles per year}$$

$$E_f = k \cdot [(s/12)^{0.8}] \cdot [(W/3)^b] / [(M/0.2)^c] \cdot [(365-p)/365] \cdot (S/15)$$

$$= 1.32 \text{ lb PM-10/mile}$$

$$= 6.32 \text{ lb PM/mile}$$

where k = 2.6 (particle size multiplier for PM-10) (k=10 for PM-30 or TSP)

s = 4.8 mean % silt content of unpaved roads

b = 0.4 Constant for PM-10 (b = 0.5 for PM-30 or TSP)

c = 0.3 Constant for PM-10 (c = 0.4 for PM-30 or TSP)

W = 27 tons average vehicle weight

M = 0.2 surface material moisture content, % (default is 0.2 for dry conditions)

S = 10.0 mph speed limit

p = 125.0 number of days with at least 0.01 in. of precipitation per year

$$\begin{aligned} \text{PM-10: } & \frac{1.32 \text{ lb/mi} \times 30222 \text{ mi/yr}}{2000 \text{ lb/ton}} = \mathbf{19.93 \text{ tons/yr}} \\ \text{PM: } & \frac{6.32 \text{ lb/mi} \times 30222 \text{ mi/yr}}{2000 \text{ lb/ton}} = \mathbf{95.47 \text{ tons/yr}} \end{aligned}$$

**\*\* unpaved roads \*\***

## II. 4-Wheel Loader

37.5 trip/hr x  
0.057 mile/trip x  
2 (round trip) x  
8,760 hr/yr = 37449 miles per year

$E_f = k \cdot [(s/12)^{0.8}] \cdot [(W/3)^b] / [(M/0.2)^c] \cdot [(365-p)/365] \cdot (S/15)$   
 = 1.75 lb PM-10/mile  
 = 8.16 lb PM/mile  
 where k = 2.6 (particle size multiplier for PM-10) (k=10 for PM-30 or TSP)  
 s = 4.8 mean % silt content of unpaved roads  
 b = 0.4 Constant for PM-10 (b = 0.5 for PM-30 or TSP)  
 c = 0.3 Constant for PM-10 (c = 0.4 for PM-30 or TSP)  
 W = 20 tons average vehicle weight  
 M = 0.2 surface material moisture content, % (default is 0.2 for dry conditions)  
 S = 15.0 mph speed limit  
 p = 125.0 number of days with at least 0.01 in. of precipitation per year

**PM-10:**  $\frac{1.75 \text{ lb/mi} \times 37449 \text{ mi/yr}}{2000 \text{ lb/ton}} = \mathbf{32.85 \text{ tons/yr}}$

**PM:**  $\frac{8.16 \text{ lb/mi} \times 37449 \text{ mi/yr}}{2000 \text{ lb/ton}} = \mathbf{152.73 \text{ tons/yr}}$

**Total PM Emissions From Unpaved Roads = 248.21 tons/yr**

**Total PM-10 Emissions From Unpaved Roads = 52.78 tons/yr**

**\*\* storage \*\***

The following calculations determine the amount of emissions created by wind erosion of storage stockpiles, based on 8,760 hours of use and USEPA's AP-42 (Pre 1983 Edition), Section 11.2.3.

$E_f = 1.7 \cdot (s/1.5) \cdot (365-p)/235 \cdot (f/15)$   
 = 0.86 lb/acre/day  
 where s = 0.74 % silt  
 p = 125 days of rain greater than or equal to 0.01 inches  
 f = 15 % of wind greater than or equal to 12 mph  
 $E_p (\text{storage}) = \frac{E_f \cdot sc \cdot (20 \text{ cuft/ton}) \cdot (365 \text{ day/yr})}{(2.000 \text{ lb/ton}) \cdot (43,560 \text{ sqft/acre}) \cdot (15 \text{ ft})}$   
 where sc = 20,000 tons storage capacity

**PM = 0.10 tons/yr      P M-10: 35% of PM = 0.04 tons/yr**

**\*\*cold mix VOC storage emissions \*\***

The following calculations determine the amount of VOC emissions created by the application of stockpile mix containing medium-cure cut back asphalt, of which 70% by weight is evaporated, based on 8,760 hours of use.

VOC Emission Factor = 0.7 weight percent flash-off of cold mix  
 Potential Binder Throughput (tons/yr) = 69,158 tons/yr stockpile mix

Potential VOC Emissions (tons/yr) = Potential Throughput (tons/yr) \* wt percent flash-off  
**Potential VOC Emissions = 484.11 tons/yr**

**\*\* summary of source emissions before controls \*\***

Criteria Pollutants:

<b>P M:</b>	<b>21,274.26 ton/yr</b>	
<b>P M-10:</b>	<b>3,012.35 ton/yr</b>	
<b>S O 2:</b>	<b>0.19 ton/yr</b>	
<b>N O x:</b>	<b>31.59 ton/yr</b>	
<b>V O C:</b>	<b>490.85 ton/yr</b>	(VOCs include HAPs from aggregate drying operation)
<b>C O:</b>	<b>26.53 ton/yr</b>	

**\*\* source emissions after controls \*\***

\* Emissions of PM and PM-10 from aggregate drying operations are controlled with a 99.850 % control efficiency.

hot oil heater:		nonfugitive	
<b>P M:</b>	0.02 ton/yr x	100% emitted after controls =	<b>0.02 ton/yr</b>
<b>P M-10:</b>	0.07 ton/yr x	100% emitted after controls =	<b>0.07 ton/yr</b>
aggregate drying:		nonfugitive	
<b>P M:</b>	21,024 ton/yr x	0.15% emitted after controls =	<b>31.54 ton/yr</b>
<b>P M-10:</b>	2,957 ton/yr x	0.15% emitted after controls =	<b>4.43 ton/yr</b>
<b>VOC:</b>	5.01 ton/yr x	100% emitted after controls =	<b>5.01 ton/yr</b>
conveying & handling:		fugitive	
<b>P M:</b>	1.35 ton/yr x	50% emitted after controls =	<b>0.67 ton/yr</b>
<b>P M-10:</b>	0.64 ton/yr x	50% emitted after controls =	<b>0.32 ton/yr</b>
unpaved roads:		fugitive	
<b>P M:</b>	248.21 ton/yr x	50% emitted after controls =	<b>124.10 ton/yr</b>
<b>P M-10:</b>	52.78 ton/yr x	50% emitted after controls =	<b>26.39 ton/yr</b>
storage piles:		fugitive	
<b>P M:</b>	0.10 ton/yr x	50% emitted after controls =	<b>0.05 ton/yr</b>
<b>P M-10:</b>	0.04 ton/yr x	50% emitted after controls =	<b>0.02 ton/yr</b>
cold mix VOC storage:		fugitive	
<b>VOC:</b>	484.11 ton/yr x	50% emitted after controls =	<b>242.25 ton/yr*</b>

\* This is equivalent to 346.07 tons of medium cure cutback asphalt binder solvent used per year based on 70% of VOC solvent evaporating.

**\*\* summary of source emissions after controls \*\***

Criteria Pollutant:	Non-Fugitive	Fugitive	Total
<b>PM:</b>	<b>31.55 ton/yr</b>	<b>124.83 ton/yr</b>	<b>156.38 ton/yr</b>
<b>PM-10:</b>	<b>4.51 ton/yr</b>	<b>26.72 ton/yr</b>	<b>31.23 ton/yr</b>
<b>S O 2:</b>	<b>0.19 ton/yr</b>	<b>0.00 ton/yr</b>	<b>0.19 ton/yr</b>
<b>N O x:</b>	<b>31.59 ton/yr</b>	<b>0.00 ton/yr</b>	<b>31.59 ton/yr</b>
<b>V O C:</b>	<b>6.74 ton/yr</b>	<b>242.25 ton/yr</b>	<b>248.99 ton/yr</b>
<b>C O:</b>	<b>26.53 ton/yr</b>	<b>0.00 ton/yr</b>	<b>26.53 ton/yr</b>

**\*\* miscellaneous \*\***

**326 IAC 6-3-2 Compliance Calculations:**

The following calculations determine compliance with 326 IAC 6-3-2 for process weight rates in excess of 30 tons per hour:

limit = 55 \* ( 150 ^ 0.11 ) - 40 = 55.44 lb/hr or  
242.83 ton/yr

Since the emission limit pursuant to Subpart I of 36.04 tons per year is more stringent than this limit, the limit pursuant to 326 IAC 6-3-2 does not apply. The emission limit pursuant to Subpart I shall also render the requirements of 326 IAC 2-2 (PSD) not applicable.

**PM-10 Emission Limit:**

(249.0 tons PM-10/yr - 27.14 tons PM-10/yr from other sources)  
= 221.86 tons PM-10/yr = 50.65 lbs/hr  
PM-10 emissions from the aggregate dryer are controlled to 4.43 tons/yr < 221.86 tons/yr (Will comply)  
Based on a maximum asphalt mix throughput of 150 tons/hr, this emission limit is equivalent to 0.337 lb PM10 per ton of asphalt mix.

**Compliance with NSPS (326 IAC 12; 40 CFR 60.90 to 60.93, Subpart I)**

The following calculations determine compliance with NSPS, which limits stack emissions from asphalt plants to 0.04 gr/dscf:

Aggregate Dryer Baghouse

31.54 ton/yr *	2000 lb/ton *	7000 gr/lb	=	0.035 gr/dscf	(will comply)
525,600 min/yr *	24,000 dscf/min				
Allowable particulate emissions under NSPS equate to			36.04 tons per year, or	8.23 lbs/hr.	



**Hazardous Air Pollutants (HAPs)****\*\* aggregate drying: batch-mix plant \*\***

The following calculations determine the amount of metal HAP emissions from the dryer, hot screens, and mixer based on 8,760 hours of use and US EPA's AP-42, 5th Edition, Section 11.1 - Hot Mix Asphalt Plants, Table 11.1-11.

Pollutant:	Ef	lb/ton x	150	ton/hr x	8760 hr/yr
			2000	lb/ton	
				Potential To Emit	Limited Emissions
<b>Arsenic:</b>	4.6E-07	lb/ton =		3.02E-04 ton/yr	4.53E-07 ton/yr
<b>Beryllium:</b>	1.5E-07	lb/ton =		9.86E-05 ton/yr	1.48E-07 ton/yr
<b>Cadmium:</b>	6.1E-07	lb/ton =		4.01E-04 ton/yr	6.01E-07 ton/yr
<b>Chromium:</b>	5.7E-07	lb/ton =		3.74E-04 ton/yr	5.62E-07 ton/yr
<b>Lead:</b>	8.9E-07	lb/ton =		5.85E-04 ton/yr	8.77E-07 ton/yr
<b>Manganese:</b>	6.9E-06	lb/ton =		4.53E-03 ton/yr	6.80E-06 ton/yr
<b>Mercury:</b>	4.1E-07	lb/ton =		2.69E-04 ton/yr	4.04E-07 ton/yr
<b>Nickel:</b>	3.00E-06	lb/ton =		1.97E-03 ton/yr	2.96E-06 ton/yr
<b>Selenium:</b>	4.9E-07	lb/ton =		3.22E-04 ton/yr	4.83E-07 ton/yr
Total HAPs =				8.53E-03 ton/yr	1.28E-05 ton/yr

The following calculations determine the amount of organic HAP emissions created by aggregate drying before & after controls, based on 8,760 hours of use and USEPA's AP-42, 5th Edition, Section 11.1 - Hot Mix Asphalt Plants, Table 11.1-9 for a batch mix dryer which can be fired with either fuel oil or natural gas.

Pollutant:	Ef	lb/ton x	150	ton/hr x	8760 hr/yr
			2000	lb/ton	
				Potential To Emit	Limited Emissions
Hazardous Air Pollutants (HAPs):					
<b>Acetaldehyde:</b>	3.20E-04	lb/ton =		0.21 ton/yr	0.21 ton/yr
<b>Benzene:</b>	2.80E-04	lb/ton =		0.18 ton/yr	0.18 ton/yr
<b>Ethylbenzene:</b>	2.20E-03	lb/ton =		1.45 ton/yr	1.45 ton/yr
<b>Formaldehyde:</b>	7.40E-04	lb/ton =		0.49 ton/yr	0.49 ton/yr
<b>Quinone:</b>	2.70E-04	lb/ton =		0.18 ton/yr	0.18 ton/yr
<b>Toluene:</b>	1.00E-03	lb/ton =		0.66 ton/yr	0.66 ton/yr
<b>Total Polycyclic Organic Matter (POM):</b>	1.10E-04	lb/ton =		0.07 ton/yr	0.07 ton/yr
<b>*Xylene:</b>	2.70E-03	lb/ton =		1.77 ton/yr	1.77 ton/yr
Total HAPs =				5.01 ton/yr	5.01 ton/yr

**\*\* summary of source HAP emissions potential to emit \*\***

Hazardous Air Pollutants (HAPs):

Acetaldehyde:	<b>0.210</b> ton/yr
Arsenic:	<b>0.000</b> ton/yr
Benzene:	<b>0.184</b> ton/yr
Beryllium:	<b>0.000</b> ton/yr
Cadmium:	<b>0.000</b> ton/yr
Chromium:	<b>0.000</b> ton/yr
Ethylbenzene:	<b>1.445</b> ton/yr
Formaldehyde:	<b>0.486</b> ton/yr
Quinone:	<b>0.177</b> ton/yr
Lead:	<b>0.001</b> ton/yr
Manganese:	<b>0.005</b> ton/yr
Mercury:	<b>0.000</b> ton/yr
Nickel:	<b>0.002</b> ton/yr
Selenium:	<b>0.000</b> ton/yr
Toluene:	<b>0.657</b> ton/yr
Total POM:	<b>0.072</b> ton/yr
Xylene:	<b>1.774</b> ton/yr
<b>Total:</b>	<b>5.015 ton/yr</b>

**\*\* summary of source HAP limited emissions \*\***

Hazardous Air Pollutants (HAPs):

Acetaldehyde:	<b>0.210</b> ton/yr
Arsenic:	<b>0.000</b> ton/yr
Benzene:	<b>0.184</b> ton/yr
Beryllium:	<b>0.000</b> ton/yr
Cadmium:	<b>0.000</b> ton/yr
Chromium:	<b>0.000</b> ton/yr
Ethylbenzene:	<b>1.445</b> ton/yr
Formaldehyde:	<b>0.486</b> ton/yr
Quinone:	<b>0.177</b> ton/yr
Lead:	<b>0.000</b> ton/yr
Manganese:	<b>0.000</b> ton/yr
Mercury:	<b>0.000</b> ton/yr
Nickel:	<b>0.000</b> ton/yr
Selenium:	<b>0.000</b> ton/yr
Toluene:	<b>0.657</b> ton/yr
Total Polycyclic Organic Matter:	<b>0.072</b> ton/yr
Xylene:	<b>1.774</b> ton/yr
<b>Total:</b>	<b>5.006 ton/yr</b>